**Powers of Monomials: Step-by-Step**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Fill in the blanks.*

**Review: Product of Powers**

1. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

2. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. = \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_

4. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_

5. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_

**Review: Power of a Power**

6. = \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_

7. = \_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_

**New: Multi-Step Power of a Product**

8. = \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

9. = \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

10. = \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

11. = \_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_

12. = \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

13. = \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

14. = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_ ∙ \_\_\_\_\_ ∙ \_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

15. = \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_